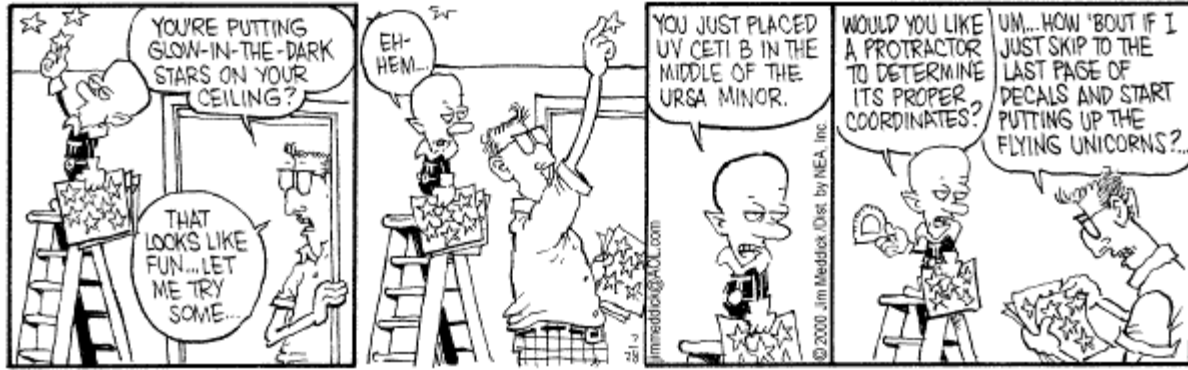


# Astronomy



Columbus High School, 2015-2016

Instructor: Mr. Richardson

Class Web Site: <http://columbusastronomy.wikispaces.com>

Welcome to Astronomy. This course is an overview of everything. Astronomy is the study of the Universe over the history of time. The whole Universe will be squeezed into one year.

The goal of this course is to introduce you to the thinking that went behind the discoveries of how stars work, how planets formed, and other great astronomical discoveries. This course is less about memorizing terms than it is about the ultimate application of the scientific method.

### CLASSROOM RULES

- *The general rule of thumb is that distractions from learning physics will not be tolerated.*
- Once class begins, there are no passes out of class except for emergencies. If more than a couple of instances occur, arrangements will be made to make up missed time after school.
- No sleeping in class.
- Do not use electronic devices without permission

### PASSES OUT OF CLASS

Do not plan on leaving class. Use the restroom between classes. If you need to leave class more than once during a nine week period, you will be asked to come after school to make up missed time.

### ABSCENCES

If you have an excused absence, it is your responsibility to complete all work and get all missed work or notes to prepare for any future tests or quizzes. You must make arrangements to make up any work you miss due to excused absences. By not making such arrangements, you will receive no credit for the missed work (or tests/quizzes). Any missed work will be made up in a timely manner as specified in the student handbook. Do not assume I will come to you after an absence to “give” you the missed work – I may forget. Either way, it is your responsibility.

### ACADEMICS

Everyone will be expected to have a 1 inch presentation binder. You will keep all your lecture notes, homework, laboratory reports, and other class related materials in this notebook. The notebook may be collected on occasion with at least 24 hours notice.

For Astronomy, the notebook will be an organizational tool mostly. The assigned homeworks will be assigned and collected. Below is the breakdown of your grade composition:

<i>Major Tests</i>	44%
<i>Quizzes &amp; Homework</i>	25%
<i>Labs</i>	20%
<i>Final Exam</i>	11%

## TESTS

Tests will be given after covering several chapters. A total of 4 tests will be given and they will follow homework and quizzes on material covered on the test.

## QUIZZES & HOMEWORK

Homework typically comes from our text and come in the form of review questions and problems. The review questions should be answered in complete sentences. Problems should show all mathematical steps with some explanation.

After each homework set, you will be given a chapter quiz. These quizzes can consist of a short answer question from concepts in the chapter and/or an analytical part similar to the homework problems.

The day a homework set is due, the answers to each question and problem will be reviewed. Therefore, **NO LATE HOMEWORK**. If you are absent, try to have a classmate turn them in for you. Once the homework solutions have been available, a quiz on that chapter will be given usually the next day.

## LABS

Astronomy experiments are not completely limited to dark skies. Physics equipment, computer simulations, and solar studies can all be completed in our science labs.

## FINAL EXAM

Comprehensive exam. No exemptions for seniors.

## CONCEPTS

Techniques of Astronomy

History of Science and Astronomy

Radiation

Telescopes

Inner Solar System

Earth & Moon

Outer Solar System

Asteroids, Comets, and Meteoroids

Sun

Stars

Nebula, Clusters

Galaxies

NASA Missions

Current Events